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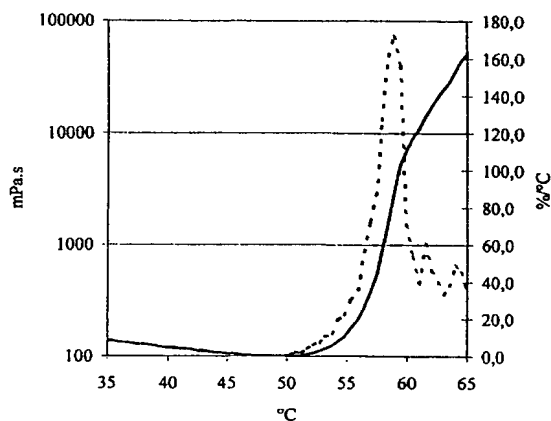
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(54) Title: STARCH-BASED GLUE PASTE COMPOSITIONS

THICKENING RHEOGRAM OF GLUE PASTE COMPOSITION

**Legend:**

full line: viscosity (mPa.s);
dotted line: thickening speed (% viscosity increase per temperature increase in °C)

Glue composition:

native wheat starch / 82 % native wheat starch + 18 % native rice starch (at 18 % amylose);
ratio secondary paste : primary paste 2.5 : 1

(57) **Abstract:** Novel starch-based glue paste compositions are disclosed composed of (i) a carrier paste containing 5 to 16 wt% of a starch selected from the group consisting of corn starch, wheat starch, rye starch, oat starch, barley starch, potato starch, tapioca starch and pea starch, each being native starch or chemically modified starch, or any mixture thereof and (ii) a main paste with a total starch content of 25 to 50 wt% composed of a mixture of 10 to 30 wt% native rice starch or an acetylated version thereof having an amylose content of 12 to 20 wt%, 1 wt% other compounds and a complementary amylopectin content of 87 to 79 wt%, and 90 to 70 wt% of a starch or mixture of starches selected from the above defined group. Processes for the manufacture of the novel glue paste compositions based on the Stein-Hall method are disclosed, as well as a premix of starches for said manufacture. The glue paste compositions present excellent film forming and glueing properties and are particularly suitable for the manufacture of laminated corrugated board.